

What is claimed is:

1. A room for use in conducting medical procedures, comprising:  
a magnetic resonance imaging assembly comprising first and  
second opposed ferromagnetic elements, first and second ferromagnetic pole supports  
5 connected to the first and second ferromagnetic elements and first and second poles  
supported by the first and second pole supports, respectively;  
a screen disposed, at least in part, within the magnetic resonance  
imaging assembly;  
a plurality of images on the screen; and  
10 means for changing the image.
2. The room of claim 1, wherein the image changing means includes  
means for moving the screen to display a different image.
3. The room of claim 2, further comprising a switch for controlling  
the movement of the screen.
- 15 4. The room of claim 1, further comprising a cartridge for containing  
the screen.
5. The room of claim 4, further comprising means for changing the  
cartridge.
6. The room of claim 1, wherein the screen is arcuate.
- 20 7. The room of claim 1, wherein:  
the first pole support defines a ceiling of the room;  
the second pole support defines a floor of the room; and

the first and second opposed ferromagnetic elements define  
opposing walls of the room.

8. The room of claim 6, wherein the ceiling further comprises  
lighting disposed proximate to the ceiling.

5 9. The room of claim 1, wherein the first and second poles are  
decorated to correspond to an image on the screen.

10. The room of claim 1, further comprising an acoustic means for  
providing sounds.

10 11. The room of claim 1, further comprising a scent means for  
providing smells.

12. A room for use in conducting medical procedures, comprising:  
a magnetic resonance imaging assembly having an imaging  
volume within the room;

a screen;

15 at least one image on the screen; and

means for moving the screen across the room to display the at least  
one image.

13. The room of claim 12, wherein the screen further comprises first  
and second sides, each side comprising at least one image for display in the room.

20 14. The room of claim 12, wherein the moving means comprises a belt  
and means for attaching the screen to the belt.

15. The room of claim 14, wherein the attachment means enables  
separation of the screen and the belt.

16. The room of claim 14, wherein the moving means further comprises a track for guiding the belt across the room.

17. The room of claim 16, wherein the track is arcuate.

18. The room of claim 16, wherein the moving means further  
5 comprises a pulley system and motor for moving the belt.

19. The room of claim 12, further comprising a window positioned to enable viewing of an image on the screen from a location exterior of the room.

20. The room of claim 12, further comprising:

a delivery cartridge; and

10 a take-up cartridge;

wherein the screen is stored wound within the delivery cartridge and is moveable by the moving means to the take-up cartridge to be wound within the take-up cartridge during display of an image.

21. The room of claim 12, further comprising:

15 a delivery cartridge; and

a roller;

wherein the screen has first and second sides and an image on each side,

the screen is stored wound within the delivery cartridge,

20 the screen is moveable to the roller to display an image on the first side, and

the screen is moveable around the roller, in front of the first side, to display an image on the second side.

22. A room for use in conducting medical procedures, comprising:  
a magnetic resonance imaging assembly having a first pole and a  
second pole within the room;

a screen;

5 at least one image on the screen;

a track extending across the room;

a belt movably disposed within the track;

a motor coupled to the belt to cause movement of the belt within  
the track, across the room; and

10 a cartridge storing the screen, the screen being attachable to the  
belt;

wherein movement of the belt causes movement of the screen  
along the track to display an image in the room.

23. The room of claim 22, further comprising a serrated gear coupled  
15 to the motor, wherein the belt has a serrated portion for engaging the serrated gear.

24. The room of claim 23, further comprising:

at least one pulley; and

a torque converter;

the pulley comprising the serrated gear, the pulley being connected to the  
20 motor and to the torque converter for selectively controlling a speed of movement of the  
belt along the track.

25. The room of claim 22, wherein the track is arcuate.

26. The room of claim 22, further comprising:

a first Velcro® strip along the belt; and

a second Velcro® strip along the screen;

wherein the belt is attachable to the screen by the first and second

Velcro® strips.

5                    27.    A room for use in conducting medical procedures, comprising

a bed for supporting a patient;

a screen adjacent to the wall;

at least one image on the screen; and

moving means for moving the screen to display an image in the

10    room.

28.    The room of claim 27, wherein the moving means comprises at  
least one pulley and a motor coupled to the pulley.

29.    The room of claim 28, further comprising:

a belt attached to the pulley; and

15                    attachment means for attaching the belt to the screen.

30.    The room of claim 29, further including a track for guiding the belt  
across the room.

31.    The room of claim 30, wherein the track is arcuate.

32.    The room of claim 30, wherein the attachment means comprises at  
20    least one of a Velcro strip, a hook, a loop, an adhesive, a snap fit, a button, a zipper, a  
knot, a hinge, a fastener, a bolt, a cable, a clamp, a dowel, a latch, a pin, a seam, a rivet, a  
screw or a nail.

33. The room of claim 29, wherein the attachment means is removably attachable.

34. The room of claim 27, further comprising a magnetic resonance imaging assembly with an imaging volume within the room, wherein the screen is  
5 viewable to a patient within the imaging volume.

35. A method of preparing a room for a medical procedure, comprising advancing a screen comprising a plurality of images to a selected image.

36. The method of claim 38, wherein the screen is stored in a cartridge, the method comprising advancing the screen from the cartridge.

10 37. A method of using a room for a magnet resonance procedure, comprising:

(a) moving a screen to display an image on the screen, in the room;

(b) positioning a patient with respect to a magnetic resonance  
15 imaging assembly in the room; and

(c) performing the magnetic resonance imaging procedure.

38. The method of claim 37, moving the screen to a selected image.

39. The method of claim 41, wherein step (a) is performed prior to step (b).

40. The method of claim 37, further comprising moving the screen to  
20 display a second image.

41. The method of claim 40, further comprising:

inserting a second patient into the assembly after moving the screen to display the second image;

and repeating step (c).

42. The method of claim 40, wherein the screen is stored in a cartridge and the second selected image is displayed by replacing a first cartridge by a second cartridge and advancing the screen from the second cartridge to display the second selected image.

43. The method of claim 37, further comprising providing sounds in the room.

44. The method of claim 37, further comprising providing odors in the room.

45. The method of claim 37, comprising moving the screen along an arcuate track.

46. The method of claim 37, further comprising providing moving images on the displayed image.

47. The method of claim 37, wherein the image is selected by the patient.

48. The method of claim 37, further comprising illuminating the ceiling.

49. The method of claim 37, further comprising illuminating the screen.

50. The room of claim 22, wherein movement of the belt causes movement of the screen out of the cartridge, along the track.

51. The room of claim 50, wherein selective movement of the belt causes selective movement of the screen out of or into the cartridge.

52. The room of claim 1, further comprising illumination behind the screen.

53. The room of claim 22, further comprising:  
a ceiling; and  
illumination above the ceiling.

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54. The room of claim 22, further comprising illumination behind the screen.